

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	347	paint near4 (micron)	USPAT	OR	ON	2006/01/05 19:17
L2	1988	paint near4 ("15" microns)	USPAT	OR	ON	2006/01/05 19:17
L3	15	paint near4 ("15" adj microns)	USPAT	OR	ON	2006/01/05 19:17
L4	0	(aqueous near4 paint) near6 ("15" adj microns)	USPAT	OR	ON	2006/01/05 19:18
L5	0	(aqueous near4 paint) near6 ("25" adj microns)	USPAT	OR	ON	2006/01/05 19:18
L6	0	((aqueous or water) near4 paint) near6 ("25" adj microns)	USPAT	OR	ON	2006/01/05 19:19
L7	0	((aqueous or water) near4 paint) near6 ("15" adj microns)	USPAT	OR	ON	2006/01/05 19:20
L8	0	((aqueous or water) near4 paint) near6 ("35" adj microns)	USPAT	OR	ON	2006/01/05 19:20
L9	0	((aqueous or water) near4 paint) near6 ("45" adj microns)	USPAT	OR	ON	2006/01/05 19:20
L10	3	((aqueous or water) near4 paint) near6 ("50" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L11	0	"5879440.bn"	USPAT	OR	ON	2006/01/05 19:24
L12	0	"5879440.bn"	USPAT	OR	ON	2006/01/05 19:24
L13	1	"5879440".pn.	USPAT	OR	ON	2006/01/05 19:24
L14	0	((aqueous or water) near4 paint) near6 ("100" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L15	0	((aqueous or water) near4 paint) near6 ("150" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L16	0	((aqueous or water) near4 paint) near6 ("75" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L17	0	((aqueous or water) near4 paint) near6 ("45" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L18	0	((aqueous or water) near4 paint) near6 ("60" or "70" or "80" or "90" or "110" or "120" or "125") adj microns)	USPAT	OR	ON	2006/01/05 19:26
L19	1	((aqueous or water) near4 paint) near6 ("450" adj microns)	USPAT	OR	ON	2006/01/05 19:27
L20	20	((aqueous or water) near4 paint) near6 (microns)	USPAT	OR	ON	2006/01/05 19:27

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 ACD predicted properties enhanced in
REGISTRY/ZREGISTRY
NEWS 4 OCT 03 MATHDI removed from STN
NEWS 5 OCT 04 CA/CAplus-Canadian Intellectual Property Office
(CIPO) added
NEWS 6 OCT 13 to core patent offices
17, 2005 New CAS Information Use Policies Effective October
NEWS 7 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the
export/download of CAplus documents for use in third-party analysis
and
NEWS 8 OCT 27 visualization tools
NEWS 9 OCT 27 Free KWIC format extended in full-text databases
NEWS 10 OCT 27 DIOGENES content streamlined
NEWS 11 NOV 14 EPFULL enhanced with additional content
research CA/CAplus - Expanded coverage of German academic
NEWS 12 NOV 30 REGISTRY/ZREGISTRY on STN(R) enhanced with
experimental spectral property data
NEWS 13 DEC 05 CASREACT(R) - Over 10 million reactions available
NEWS 14 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS 15 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of
TOXCENTER
NEWS 16 DEC 14 CA/CAplus to be enhanced with updated IPC codes
NEWS 17 DEC 16 MARPATprev will be removed from STN on December 31,
2005
NEWS 18 DEC 21 IPC search and display fields enhanced in CA/CAplus
with the IPC reform
NEWS 19 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in
USPATFULL/USPAT2

NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
<http://download.cas.org/express/v8.0-Discover/>

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FILE 'STNGUIDE' ENTERED AT 19:35:12 ON 05 JAN 2006
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FILE 'HOME' ENTERED AT 19:35:18 ON 05 JAN 2006

=> File Medline EMBASE Biosis Caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

0.21

0.48

FILE 'MEDLINE' ENTERED AT 19:35:26 ON 05 JAN 2006

FILE 'EMBASE' ENTERED AT 19:35:26 ON 05 JAN 2006

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=> S ((aqueous or water) (4A) paint) (6A) (microns)

L1 2 ((AQUEOUS OR WATER) (4A) PAINT) (6A) (MICRONS)

=> d 11 1-2 bib ab

L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:161014 CAPLUS

DN 78:161014

TI Small-particle dispersion coating composition

IN Zola, John C.

SO U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.
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DATE

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PI US 3725089 A 19730403 US 1971-107865

19710119

DE 1519443 C3 19790104 DE 1962-Z9368

19620419

JP 51006175 B4 19760226 JP 1962-15460

19620420

US 3458328 A 19690729 US 1967-609769

19670117

US 3459544 A 19690805 US 1967-609789

19670117

PRAI US 1961-104211 A2 19610420

US 1967-609769 A2 19670117

US 1967-609789

A3 19670117

US 1969-836227

A1 19690623

AB Substantially odor-free coating composition, for sag- and wrinkle-resistant

latex coatings and paints comprised colored aq. film former particles (<25 microns) dispersed in an aqueous dispersing phase, and optionally mixed with dispersion of other colors, or larger particle sizes, and can be dried and applied to a surface, or water-.

Thus, a film forming water-thinnable alkyd resin paint was prepared in 2

parts. A white water thinnable resin base composition contained 42% solids

Arlon 580 [39291-16-2] resin 52.5, titanium dioxide [13463-67-7] 42.0,

Tamol 731 anionic pigment dispersant 1.6, water 3.7, and Emulsive Co drier

0.2 parts. The dispersion was prepared from preresin bases 48.7, Polymer

1212A nonionic guar gum derivative 3.4, benonite colloidal clay (high swelling

Na type) aqueous dispersion 14.6, improved by addition aqueous bentonite 10.0, and

aqueous NH4HB407 3.3, and water 20.0 parts to give a brushable, white alkyd

resin paint with good thioxotropic properties.

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1942:32483 CAPLUS

DN 36:32483

OREF 36:5033g-h

TI Deviation of the hiding equation

AU Battline, F.

SO Paint, Oil and Chemical Review (1942), 104 (No. 11), 9-10
CODEN: POCRAK; ISSN: 0096-7521

DT Journal

LA Unavailable

AB The hiding power of a pigment in paint is given by $100 - k[1 - \{ (n_2 - n_1)^2 / (n_2 + n_1)^2 \}]^{1/2} x$, where $x = (3.785WB.1015) / Ad$, $k = 100$ minus the

percentage of the light reflected from the vehicle surface, n_2 and n_1 are

the indexes of refraction of pigment and vehicle, resp., $W =$ number of lb. of

pigment contained in one gal. of paint, $B =$ bulking of the pigment in gal.

per lb., $d =$ dimension of the average pigment grain in microns and A is the

area of spread per gal. of paint in aq.

microns. Calcns. of hiding power are shown for (1) anatase and

rutile TiO₂ pigment of 0.5, 1.0 and 2.0 μ particle size and for 1, 2 and

3 lb. pigment per gal., (2) ZnS, (3) Pb chromate and (4) artificial Fe

oxide. The equation can be used to determine average particle size of pigments or n of pigments.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	organophosphorus near paint	USPAT	OR	OFF	2006/01/05 18:03

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	organophosphorus near6 paint	USPAT	OR	OFF	2006/01/05 18:07
L2	33	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 paint	USPAT	OR	OFF	2006/01/05 18:08
L3	43	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 organophosphorus	USPAT	OR	OFF	2006/01/05 18:08
L4	0	I2 and I3	USPAT	OR	OFF	2006/01/05 18:08

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	organophosphorus near6 paint	USPAT	OR	OFF	2006/01/05 18:07
L2	33	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 paint	USPAT	OR	OFF	2006/01/05 18:11
L3	43	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 organophosphorus	USPAT	OR	OFF	2006/01/05 18:09
L4	0	I2 and I3	USPAT	OR	OFF	2006/01/05 18:08
L5	2473	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 (toxic or toxin)	USPAT	OR	OFF	2006/01/05 18:09
L6	0	I2 and I5	USPAT	OR	OFF	2006/01/05 18:10
L7	0	I2 and (multi or plurality) near2 (layer or layers)	USPAT	OR	OFF	2006/01/05 18:11
L8	4307	paint and (multi or plurality) near2 (layer or layers)	USPAT	OR	OFF	2006/01/05 18:12
L9	212	paint near8(multi or plurality) near2 (layer or layers)	USPAT	OR	OFF	2006/01/05 18:12
L10	176	paint near6(multi or plurality) near2 (layer or layers)	USPAT	OR	OFF	2006/01/05 18:14
L11	159	paint near6((multi or plurality) near2 (layer or layers))	USPAT	OR	OFF	2006/01/05 18:14
L12	10	I11 and (containers or (containers) near2 (layer or layers))	USPAT	OR	OFF	2006/01/05 18:22

L13	8	I11 and (containers or (containers) near2 (layer or layers)) NOT (bake or baking or baked)	USPAT	OR	OFF	2006/01/05 18:26
L14	1	I11 and (containers or (containers) near2 (layer or layers)) NOT (bake or baking or baked or heat)	USPAT	OR	OFF	2006/01/05 18:27